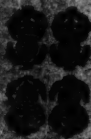


of
1683

OBSERVATIONS
• UPON THE
Dublin-Bills
OF
MORTALITY,
M D C L X X X I
AND THE
STATE of that CITY.

By the Observator on the LONDON
Bills of MORTALITY.



L O N D O N.

Printed for *Mark Pardoe*, at the Sign of
'the *Black Raven*, over against *Bedford-*
house in the *Strand*. 1 6 8 3.

Yearly Bills of Mortality for

LONDON and DUBLIN.

Anno.	LONDON.		DUBLIN.		LONDON.		DUBLIN.	
	Burials.	Births.	Burials.	Births.	Burials.	Births.	Burials.	Births.
1680	21053	12747	1826	1096	11039	10044	6543	6199
1679	21730	12288	1397	1061	11154	10576	6247	6041
1678	20678	12601	1401	1045	10681	9977	6568	6033
1674	21201	11851	2106	942	11000	10196	6113	5738
1672	18230	12563	1436	987	9560	8070	6443	6120
1668	17278	11633	1699	1026	9111	8167	6073	5566
	120170	73683	9865	6157	62545	57030	37992	35697
The medium of each part whereof is				1026	10424	9505	6332	5940
				1644				

A

DUBLIN.			In Ternaries of years.
Anno.	Burials.	Births.	
1666	1480	952	4821 2979
1667	1642	1001	
1668	1699	1026	
1669	1666	1000	5353 3070
1670	1713	1067	
1671	1974	1003	
1672	1436	967	5073 2842
1673	1531	933	
1674	2106	942	
1675	1578	823	4328 2672
1676	1391	952	
1677	1350	807	

B

1075	1570	023	4328	2672
1676	1391	952		
1677	1359	897		
1678	1401	1045		
1679	1397	1061	4624	3202
1680	1826	1096		
24199		14765	24199	14765
1613		984	1613	984

The medium or (th
part whereof is

The Parishes of D U B L I N.

		Anno 1671.		An. 1670, 71, & 72. at a Medium.	
		Families.	Hearts.	Births.	Burials.
1	St. Katharines and St. James,	661	2399	161	290
2	St. Nicholas without,	490	2348	207	262
3	St. Michans,	656	2301	127	221
4	St. Andrews with Donabrook,	483	2123	108	178
5	St. Bridgets,	416	1989	70	100
6	St. Johns,	244	1337	70	138
7	St. Warbrough,	267	1650	54	108
8	St. Auduens,	216	1081	53	121
9	St. Michael,	140	793	44	59
10	St. Keavens,	106	433	64	133
11	St. Nicholas within,	93	614	28	34
12	St. Patrick's Liberties,	52	255	21	44
13	Christ-Church and Trinity-Colledge per estimate,	26	197		1
Houses built between 1671, and 1681, pre- estimate,		3850	17500	1013	1696
		150	550		
		4000	18150		

Beginning

PARISHES Names.

- 1 *St. Katherins and St. James,*
- 2 *St. Nicholas without,*
- 3 *St. Michans,*
- 4 *St. Andrews with Donabrook,*
- 5 *St. Bridgets,*
- 6 *St. Johns,*
- 7 *St. Warbrough,*
- 8 *St. Audaens,*
- 9 *St. Michael,*
- 10 *St. Keavens,*
- 11 *St. Nicholas within,*
- 12 *St. Patrick's Liberties,*
- 13 *Christ-Church and Trinity-Colledge,*

Totals,

A Quarterly Bill of Mortality,

and ending for the City of *Dublin*.

All other Casualties.			
Infants under 2 years old.			
Aged above 70 years old.			
Sudden death, Quinsey, Plurisie, Fever.			
Stone, Gout, Dropsie, Consumption,			
Plague, Small Pox, Spotted Fever, Measels.			
Buried of <div> <div>Above 60 years old.</div> <div>Under 16 years old.</div> </div>			
Marriages.			
Births.			
1.			

A Weekly Bi Endi

PARISHES Na

- 1 *St. Katherine and St.*
- 2 *St. Nicholas without,*
- 3 *St. Michans,*
- 4 *St. Andrews with Don*
- 5 *St. Bridgets,*
- 6 *St. Johns,*
- 7 *St. Warbrough,*
- 8 *St. Audaens,*
- 9 *St. Michael,*
- 10 *St. Keavens,*
- 11 *St. Nicholas within,*
- 12 *St. Patrick's Liberties*
- 13 *Christ-Church and 7
Colledge,*

To

A Weekly Bill

Ending

PARISHES Names.

- 1 St. Katherine and St. James
- 2 St. Nicholas without
- 3 St. Michans,
- 4 St. Andrews with Donabrook,
- 5 St. Bridgets,
- 6 St. Johns,
- 7 St. Warbrongh,
- 8 St. Audaens,
- 9 St. Michael,
- 10 St. Keavens,
- 11 St. Nicholas within,
- 12 St. Patrick's Liberties,
- 13 Christ-Church and Trinity Colledge,

Totals

An Account o

End

PARISHES Names.

- 1 St. Katherine and St. James,
- 2 St. Nicholas without,
- 3 St. Michans,
- 4 St. Andrews with Donabrook,
- 5 St. Bridgets,
- 6 St. Johns,
- 7 St. Warbrongh,
- 8 St. Audaens,
- 9 St. Michael,
- 10 St. Keavens,
- 11 St. Nicholas within,
- 12 St. Patrick's Liberties,
- 13 Christ-Church and Trinity-Colledge,

Totals,

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D
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t of the People of *Dublin* for one year,
Ending the 24th of *March*, 1681.

[illegible]

Casualties and Diseases.

<p>Aged above 70 years. Abortive and Still-born. Childbed-women. Convulsion. Teeth. Worms. Gout, and Sciatica. Stone. Palsey. Consumption, and French Pox. Dropsie, and Tympany. Rickets, and Livergrown.</p>	<p>Head-ach, and Megrin. Epilepsie, and Planet. Fever, and Ague. Pleurisie. Quinsey. Executed, Murder'd, Drown'd Plague, and Spotted-Fever. Gripping of the Guts. Scowring, Vomiting, Bleed- ing. Small Pox. Measels. Neither of all the other sorts.</p>
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AN ACCOUNT OF THE

<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>
<p>1790</p>	<p>1791</p>	<p>1792</p>

Totals

OBSERVATIONS
UPON THE
DUBLIN-Bills of Mortality, 1681.
AND THE
State of that CITY

THE Observations upon the *London-Bills of Mortality* have been a new Light to the World, and the like Observation upon those of *Dublin*, may serve as Snuffers to make the same Candle burn clear.

The *London*-Observations flowed from Bills regularly kept for near One hundred years; but these are squeezed out of Six striking *London*-Bills, out of Fifteen *Dublin*-Bills, and from a Note of the *Parishes* and *Hearths* in each *Parish* of *Dublin*; which are all digested into the one Table or Sheet, annexed, consisting of Three Parts, marked A, B, C; being indeed the A, B, C, of *Publick Economy*, and even of that *Policy* which tends to Peace and Plenty.

Observations upon the Table A.

1. **T**he Total of the *Burials* in *London*,
(for the said Six stragling years mentioned in the Table A) is 120170; whereof the Medium or Sixth part is 20028; and exceeds the *Burials* of *Paris*, as may appear by the late Bills of that City.

2. The *Births*, for the same time, are 73683, the Medium or Sixth part whereof is 12280, which is about Five eighth parts of the *Burials*; and shews, that *London* would in time decrease quite away, were it not Supplied out of the Countrey, where are about Five *Births* for Four *Burials*, the proportion of Breeders in the Country being greater than in the City.

3. The *Burials* in *Dublin* for the said Six years, were 9865, the Sixth part or Medium whereof is, 1644, which is about the Twelfth part of the *London* *Burials*; and about a Fifth part over. So as the people of *London* do hereby seem to be above Twelve times as many as those of *Dublin*.

4. The *Births* in the same time at *Dublin*, are 6157, the Sixth part or Medium whereof is 1026, which is also about five eighth parts of the 1644 *Burials*; which shews, that the proportion

proportion between *Burials* and *Births* are alike at *London* and *Dublin*, and that the *Accompts* are kept alike; and consequently are likely to be true, there being no *Confederacy* for that purpose: Which if they be true, we then say,

5. That the *Births* are the best way (till the *Accompts* of the people shall be purposely taken) whereby to judge of the Increase and Decrease of People, that of *Burials* being subject to more *Contingencies* and variety of *Causes*.

6. If *Births* be as yet the measure of the People, and that the *Births* (as has been shewn) are as Five to Eight, then Eight fifths of the *Births* is the number of the *Burials*, where the year was not considerable for extraordinary *Sickness* or *Salubrity*; and is the Rule whereby to measure the same. As for Example: The Medium of *Births* in *Dublin* was 1026, the Eight fifths whereof is 1641, but the real *Burials* were 1644; so as in the said years they differed little from the 1641, which was the *Standard of Health*; and consequently, the years 1680, 1674, and 1668, were *sickly* years, more or less, as they exceeded the said Number 1641; and the rest were *healthful* years, more or less, as they fell short of the same number. But the City was more or less *Populous*, as the *Births* diffe-

red from the Number 1026; viz. *Populose* in the years 1680, 1679, 1678, & 1668: For other causes of this difference in Births, are very occult and uncertain.

7. What hath been said of *Dublin*, serves also for *London*.

8. It hath already been observ'd by the *London-Bills*, That there are more *Males* than *Females*. It is to be further noted, that in these Six *London-Bills* also, there is not one instance either in the Births or Burials to the contrary.

9. It hath been formerly observ'd, That in the years wherein most dye, fewest are born, & vice versa. The same may be further observ'd in *Males* and *Females*, viz. When fewest *Males* are born, then most dye: for here the *Males* dyed as Twelve to Eleven, which is above the mean proportion of Fourteen to Thirteen; but were born but as Nineteen to Eighteen, which is below the same.

Observations upon the Table B.

1. **F**rom the Table B, it appears, That the Medium of the Fifteen years Burials, (being 24199) is 1613. whereas the Medium of the other six years in the Table A, was 1644, and that the Medium of the Fifteen years

years Births (being in all 14765) is 984, whereas the Medium of the said other six years, was 1026. That is to say, there were both fewer Births and Burials in these Fifteen years, than in the other six years; which is a probable sign that at a Medium there were fewer People also.

2. The Medium of *Births* for the Fifteen years being 984, whereof Eight fifths (being 1576) is the *Standard of Health* for the said Fifteen years; and the triple of the said 1576, being 4728, is the standard for each of the Ternaries of the Fifteen years within the said Table.

3. That 2952, the triple of 984 Births, is for each Ternary the Standard of Peoples increase and decrease from the year 1666 to 1680 inclusive, *viz.* The People increased in the second Ternary, and decreased from the same in the Third and Fourth Ternarys, but re-increased in the Fifth Ternary beyond any other.

4. That the last Ternary was withal very healthful, the Burials being but 4624, *viz.* below 4728, the Standard.

5. That according to this proportion of increase, the Housing of *Dublin* have probably increased also.

Observations upon the Table C.

1. **F**irst, from the Table C, it appears, 1. That the Housing of *Dublin* is such, as that there are not five Hearths in each House one with another, but nearer five than four.

2. That in *St. Warburghs* Parish are near six Hearths to an House. In *St. Johns* five. In *St. Michaels* above five. In *St. Nicholas* within above six. In *Christ-Church* above seven. In *St. James's*, and *St. Katherines*, and in *St. Michans*, not four. In *St. Kevans* about four.

3. That in *St. James's*, *St. Michans*, *St. Brides*, *St. Warburgh*, *St. Andrews*, *St. Michaels*, and *St. Patricks*, all the Christnings were but 550, and the Burials 1055, viz. near double; and that in the rest of the Parishes the Christnings were five, and the Burials seven, viz. as 457 to 634. Now whether the cause of this difference were negligence in Accompts, or the greaterness of the Families, &c. is worth inquiring.

4. It is hard to say in what order (as to greatness) these Parishes ought to stand, some having most Families; some most Hearths, some most Births, and others most Burials. Some Parishes exceeding the rest in two, others

others in three of the said four particulars, but none in all four. Wherefore this Table ranketh them according to the plurality of the said four particulars wherein each excelleth the other.

5. The *London-Observations* reckon eight heads to be in each Family; according to which estimation, there are 32000 Souls in the 4000 Families of *Dublin*; which is but half of what most Men imagine; of which but about one sixth part are able to bear Arms, besides the Royal Regiment.

6. Without the knowledge of the true *number of People*, as a Principle, the whole scope and use of the keeping Bills of Births and Burials is impaired; wherefore by laborious Conjectures and Calculations to deduce the number of People from the Births and Burials, may be Ingenious, but very preposterous.

7. If the number of *Families in Dublin* be about 4000, then Ten Men, in one week (at the Charge of about Five pound, Surveying Eight Families in an hour) may directly, and without Algebra, make an Accompt of the whole People, expressing their several Ages, Sex, Marriages, Title, Trade, Religion, &c. and those who survey the Hearths, or the Constables or Parish-Clarks, (may, if required) do the same *ex officio*, and without other

POSTSCRIPT
TO THE
STATIONER.

WHereas you complain, that these Observations make no sufficient Bulk, I could answer you, That I wish the Bulk of all Books were less; but do never-theless comply with you in adding what follows, *viz.*

1. That the Parishes of *Dublin* are very unequal; some having in them above Six hundred Families, and others under Thirty.

2. That Thirteen Parishes are too few for Four thousand Families; the middling Parishes of *London* containing One hundred and twenty Families; ac-

A Postscript to the Stationer.

according to which rate, there should be about Thirty three Parishes in *Dublin*.

3. It is said, that there are Eighty four thousand Houses or Families in *London*, which is Twenty one times more than are in *Dublin*; and yet the Births and Burials of *London* are but Twelve times those of *Dublin*: which shews, that the Inhabitants of *Dublin* are more crowded and streightned in their Housing, than those of *London*; and consequently, that to increase the Buildings of *Dublin*, will make that City more conformable to *London*.

1647. I shall also add some Reasons for altering the present forms of the *Dublin-Bills* of Mortality, according to what hath been here recommended,

viz.
1. We give the distinctions of Males and Females in the Births onely; for that the Burials must, at one time or another, be in the same proportion with the Births.

2. We do in the Weekly and Quarterly Bills propose, that notice be taken in the Burials of what numbers dye above Sixty and Seventy, and what under Sixteen, Six, and Two years old ; foreseeing good uses to be made of that distinction.

3. We do in the Yearly Bill, reduce the Casualties to about Twenty four, being such as may be discerned by common sense and without Art ; conceiving that more will but perplex and imbroil the Account. And in the Quarterly Bills, we reduce the Diseases to Three Heads, *viz.* Contagious, Acute, and Chronical ; applying this distinction to Parishes , in order to know how the different Scituation, Soil, and way of living in each Parish, doth dispose Men to each of the said Three Species : and in the Weekly Bills we take notice not only of the Plague, but of the other Contagious Diseases in each Parish ; that strangers and fearful

ful Persons may thereby know how to
dispose of themselves. 1011
¶ We mention the number of the
People, as the Fundamentall Point in all
our propositions, and without which, all
the rest will be almost void.

5. We mention the number of Mar-
riages made in every County, and in
every year; I would know the proportion
which marriages of Persons bear to the
whole; & especially in the most populous
to reach the improvement of the Nation.
¶ 6. As for Religion, we divide them to
Three, &c. 1. Those who have the Pope
of Rome for their Head. 2. Who are
Governed by the Council of that Coun-
try. 3. Those who rely respectively
upon, & their own, and some other
Now whether all should be
be talked in order to or not, I do not
faintly recommend, but leave to your
sons *pro* and the world to consider, and
therefore although I have mentioned
it as a matter, yet I have not
yet humbly leave it to your

FURTHER
OBSERVATION

UPON THE

Dublin-Bills:

OR,

ACCOMPTS

OF THE
**Houses, Hearths, Baptisms,
And Burials in that**

CITY.

The Second Edition, Corrected and Enlarg'd.

By Sir **WILLIAM PETTY**,
Fellow of the Royal Society.

L O N O N.

Printed for Mark Pardo, at the Sign of
the Black Raven, over-against Bed-
ford House in the Strand. 1686.

FURTHER
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UPON THE

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I Have not thought fit
to make any Altera-
tion of the first Editi-
on, but have only added a
New Table with Observa-
tion upon it, placing the
same in the front of what
was before; which perhaps
might have been as well
placed after the like Table
at the 8th Page of the
first Edition.

Printed for Mark P. at the Sign of
the Black Raven, over-against Bed-
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DUBLIN 1682

Parishes	Houses	Fire-places	Baptiz'd	Buri'd
St. James	1272	8369	122	306
St. Katherine	540	2198		
St. Nicholas with out, and	1063	4082	145	414
St. Patrick				
St. Bridget	1095	1903	68	49
St. Andrew	1376	1510	56	164
St. Michael	174	884	34	50
St. John	302	1636	74	101
St. Nicholas within, and	153	1902	26	52
Christ Church Lib.				
St. Warbors	240	1638	45	105
St. Michans	938	3516	124	389
St. Andrews	884	3638	131	300
St. Kevin	554	2110	87	233
Donbrook	253	506		
	6026	25269	912	2263

*Further Observations upon the Dublin
Accounts of Baptisms and Burials,
Houses and Hearths, viz.*

The Table hath been made for the
Year 1682, wherein is to be noted,

1. That

1. That the Houses which *Anno* 1671, were but 3850 are *Anno* 1682, 6025; but whether this difference is caused by the real encrease of Housing, or by fraud and defect in the former Accompts, is left to consideration. For the Burials or People have increased but from 1696, to 2263, according to which proportion, the 3850 Houses *Anno* 1671, should *Anno* 1682 have been but 5143, wherefore some fault may be suspected as aforesaid, when Farming the Hearth-mony was in agitation.

2. The Hearths have encreased according to the Burials, and $\frac{1}{2}$ of the said increase more, *viz.* The Burials *Anno* 1671 were 1696, the $\frac{1}{2}$ whereof is 563, which put together makes 2259, which is near the number of Burials *Anno* 1682. But the Hearths *Anno* 1671, were 17500, whereof the $\frac{1}{2}$ is 5833, making in all but 23333; whereas the whole Hearths

Anno

Anno 1682 were 25369, viz. $\frac{1}{2}$ and better of the said 5833 more.

3. The Housing were *Anno* 1671, but 3850, which if they had encreased *Anno* 1682 but according to the Burials, they had been but 5143, or according to the Hearths, had been but 5488, whereas they appear 6025, encreasing double to the Hearths. So as 'tis likely there hath been some errour in the said Account of the Housing, unless the new Housing be very small, and have but one Chimney apiece, and that $\frac{1}{4}$ part of them are untenanted. On the other hand, 'tis more likely that when 1696 dy'd per *An.* there were near 6000; for 6000 Houses at 8 Inhabitants per House, would make the number of the People to be 48 Thousand, and the number of 1696 that died according to the Rule of One out of 20, would have made the number of Inhabitants about 50 Thousand. For which reason I continue to be-

beliefe that there was some Error in the
 Accompt of 1585 of Houses in Ireland;
 and the Author because there is no
 ground for any expectation to think that
 in a year, when Houses in Dublin have
 increased from 1384 to 6025, as in
 Ireland; I rather think that the
 number of 6025 is yet short, because
 that number at 81 heads per House
 makes the Inhabitants to be but 48200;
 whereas the 2263 who died in the
 year 1681 according to the afore-
 mention'd Buriall Book amounting out of
 48200 makes the number of People to be
 482000, the Medium betwixt which
 number and 48200 is 98045, which
 is the best estimate I can make of that
 matter, which I hope Authority will
 ere long rectifie by direct and exact
 Enquiries, and the number be-
 come ascertained. As to the Burials, we say that
 there were 16402164 in 1648, and 1648 in Lon-
 don, just before the Trouble in Reli-
 gion began, the Burials were $\frac{1}{3}$ of the
 Buri-

Burials, by reason of the supposed of the
 greatness of the Families in London, &
 above the Country, and the several
 Burieders, and not for want of Regi-
 string. But What is collected is, that
 2263, which is 377, this put to
 1886 for the probable number of
 Births in *Dublin* for the year 1682;
 whereas but 912 are represented to
 have been Christen'd in that year,
 though 1023 were Christen'd *Anno*
 1671, when there died but 1696;
 which decreasing of the Christnings,
 and increasing of the Burials, shews
 the increase of Non-registring in the
 Legal Books, which must be the increase
 of *Roman Catholicks* at *Dublin*.

The scope of this whole Paper there-
 fore is, That the People of *Dublin* are
 rather 58000, than 32000; and that
 the Dissenters, who do not Register
 their Baptisms, have encreased from
 391 to 974: but of Dissenters, none
 have

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Observations upon the Table A.

1. **T**He Total of the *Burials* in *London*, (for the said Six stragling years mentioned in the Table A) is 120170; whereof the Medium or Sixth part is 20028; and exceeds the *Burials* of *Paris*, as may appear by the late Bills of that City.

2. The *Births*, for the same time, are 73683, the Medium or Sixth part whereof is 12280, which is about Five eighth parts of the *Burials*; and shews, that *London* would in time decrease quite away, were it not supplied out of the Countrey, where are about Five *Births* for Four *Burials*, the proportion of Breeders in the Country being greater than in the City.

3. The *Burials* in *Dublin* for the said Six years, were 9865, the Sixth part or Medium whereof is, 1644, which is about the Twelfth part of the *London-Burials*; and about a Fifth part over. So as the people of *London* do hereby seem to be above Twelve times as many as those of *Dublin*.

4. The *Births* in the same time at *Dublin*, are 6157, the Sixth part or Medium whereof is 1026, which is also about five eighth parts of the 1644 *Burials*; which shews, that the propor-

proportion between *Burials* and *Births* are alike at *London* and *Dublin*, and that the *Accompts* are kept alike; and consequently are likely to be true, there being no *Confederacy* for that purpose: Which if they be true, we then say,

5. That the *Births* are the best way (till the *Accompts* of the people shall be purpose-ly taken) whereby to judge of the Increase and Decrease of People, that of *Burials* being subject to more Contingencies and variety of Causes.

6. If *Births* be as yet the measure of the People, and that the *Births* (as has been shewn) are as Five to Eight, then Eight fifths of the *Births* is the number of the *Burials*, where the year was not considerable for extraordinary Sickness or Salubrity; and is the Rule whereby to measure the same. As for Example: The Medium of *Births* in *Dublin* was 1026, the Eight fifths whereof is 1641, but the real *Burials* were 1644; so as in the said years they differed little from the 1641, which was the *Standard of Health*; and consequently, the years 1680, 1674, and 1668, were *sickly* years, more or less, as they exceeded the said Number 1641; and the rest were *healthful* years, more or less, as they fell short of the same number. But the City was more or less *Populous*, as the *Births* diffe-

red from the Number 1026 ; viz. *Populous* in the years 1680, 1679, 1678, & 1668 : For other causes of this difference in Births, are very occult and uncertain.

7. What hath been said of *Dublin*, serves also for *London*.

8. It hath already been observ'd by the *London-Bills*, That there are more *Males* than *Females*. It is to be further noted, that in these Six *London-Bills* also, there is not one instance either in the Births or Burials to the contrary.

9. It hath been formerly observ'd, That in the years wherein most dye, fewest are born, & vice versa. The same may be further observ'd in *Males* and *Females*, viz. When fewest *Males* are born, then most dye : for here the *Males* dyed as Twelve to Eleven, which is above the mean proportion of Fourteen to Thirteen ; but were born but as Nineteen to Eighteen, which is below the same.

Observations upon the Table B.

1. From the Table B, it appears, That the Medium of the Fifteen years Burials, (being 24199) is 1613. whereas the Medium of the other six years in the Table A, was 1644, and that the Medium of the Fifteen years

years Births (being in all 14765) is 984, whereas the Medium of the said other six years, was 1026. That is to say, there were both fewer Births and Burials in these Fifteen years, than in the other six years; which is a probable sign that at a Medium there were fewer People also.

2. The Medium of *Births* for the Fifteen years being 984, whereof Eight fifths (being 1576) is the *Standard of Health* for the said Fifteen years; and the triple of the said 1576, being 4728, is the standard for each of the Ternaries of the Fifteen years within the said Table.

3. That 2952, the triple of 984 Births, is for each Ternary the Standard of Peoples increase and decrease from the year 1666 to 1680 inclusive, *viz.* The People increased in the second Ternary, and decreased from the same in the Third and Fourth Ternarys, but re-increased in the Fifth Ternary beyond any other.

4. That the last Ternary was withal very healthful, the Burials being but 4624, *viz.* below 4728, the Standard.

5. That according to this proportion of increase, the Housing of *Dublin* have probably increased also.

Observations upon the Table C.

1. **F**'irst, from the Table C, it appears, 1. That the Housing of *Dublin* is such, as that there are not five Hearths in each House one with another, but nearer five than four.

2. That in *St. Warburghs* Parish are near six Hearths to an House. In *St. Johns* five. In *St. Michaels* above five. In *St. Nicholas within* above six. In *Christ-Church* above seven. In *St. James's*, and *St. Katherines*, and in *St. Michans*, not four. In *St. Kevans* about four.

3. That in *St. James's*, *St. Michans*, *St. Brides*, *St. Warburgh*, *St. Andrews*, *St. Michaels*, and *St. Patricks*, all the Christnings were but 350, and the Burials 1055, viz. near double; and that in the rest of the Parishes the Christnings were five, and the Burials seven, viz. as 457 to 634. Now whether the cause of this difference were negligence in Accompts, or the greaterness of the Families, &c. is worth inquiring.

4. It is hard to say in what order (as to greatness) these Parishes ought to stand, some having most Families; some most Hearths, some most Births, and others most Burials. Some Parishes exceeding the rest in two, others

others in three of the said four particulars, but none in all four. Wherefore this Table ranketh them according to the plurality of the said four particulars wherein each excelleth the other.

5. The *London-Observations* reckon eight heads to be in each Family; according to which estimation, there are 32000 Souls in the 4000 Families of *Dublin*; which is but half of what most Men imagine; of which but about one sixth part are able to bear Arms, besides the Royal Regiment.

6. Without the knowledge of the true *number of People*, as a Principle, the whole scope and use of the keeping Bills of Births and Burials is impaired; wherefore by laborious Conjectures and Calculations to deduce the number of People from the Births and Burials, may be Ingenious, but very preposterous.

7. If the number of *Families in Dublin* be about 4000, then Ten Men, in one week (at the Charge of about Five pound, Surveying Eight Families in an hour) may directly, and without Algebra, make an Accompt of the whole People, expressing their several Ages, Sex, Marriages, Title, Trade, Religion, &c. and those who survey the Hearths, or the Constables or Parish-Clarks, (may, if required) do the same *ex Officio*, and without other

that Charge, by the Command of the Chief Governor, the Diocesan, or the Mayor.

8. The Bills of *London* have since their beginning, admitted several Alterations and Improvements; and eight or ten pound *per annum* surcharge, would make the Bills of *Dublin* to exceed all others, and become an excellent Instrument of Government. To which purpose the Forms for Weekly, Quarterly, and Yearly Bills are humbly recommended, viz.

Yearly

NDON.

Births.

<i>Anno.</i>	<i>ales.</i>	<i>Males.</i>	<i>Females.</i>
1680	44	6543	6199
1679	76	6247	6041
1678	77	6568	6033
1674	96	6113	5738
1672	70	6443	6120
1668	67	6073	5566
	30	37992	35697

A

1671.

at a Medium.

Hearths.

Births.

Burials.

1	St. Katherine	2399	161	290
2	St. Nicholas	2348	207	262
3	St. Michael	2301	127	221
4	St. Andrew	2123	108	178
5	St. Bridge	1989	70	100
6	St. Johns,	1337	70	138
7	St. Warb	1650	54	108
8	St. Andae	1081	53	121
9	St. Michael	793	44	59
10	St. Keave	433	64	133
11	St. Nicha	614	28	34
12	St. Patra	255	21	44
13	Christ-C	197		1
	Houfes	17500	1013	1696
	estima	550		
		18150		

C

Yearly Bills of Mortality for

LONDON and DUBLIN.

Anno.	LONDON.		BIRTHS.		BURIALS.		LONDON.		BIRTHS.		BURIALS.	
	Burials.	Births.	Burials.	Births.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1680	21053	12747	1826	1096	11039	10044	5543	6199				
1679	21730	12288	1397	1061	11154	10576	6247	6041				
1678	20678	12601	1401	1045	10681	9977	6568	6033				
1674	21201	11851	2106	942	11000	10196	6113	5738				
1672	18230	12563	1436	987	9560	8070	6443	6120				
1668	17278	11633	1699	1026	9111	8167	6073	5566				
	120170	73683	9865	6157	62545	57030	37992	35697				
	20028	12280	1644	1026	10424	9505	6332	5940				

The medium or ob-
part whereof is

DUBLIN.

Anno.	Burials.	Births.	In Ternaries of years.	
1666	1480	952	4821	2979
1667	1642	1001		
1668	1699	1026		
1669	1666	1000	5353	3070
1670	1713	1067		
1671	1974	1003		
1672	1436	967	5073	2842
1673	1531	933		
1674	2106	942		
1675	1578	823	4328	2672
1676	1391	952		
1677	1250	807		

B

1670	1370	4328	2672
1671	1391		
1672	1359		
1673	1401		
1674	1397	4624	3202
1675	1826		
	24199	24199	14765
	1613	1613	984

The medium or cub
part whereof is

The Parishes of DUBLIN.

- 1 St. Katharins and St. James,
- 2 St. Nicholas without,
- 3 St. Michans,
- 4 St. Andrews with Donabrook,
- 5 St. Bridgets,
- 6 St. Johns,
- 7 St. Warbrough,
- 8 St. Andrens,
- 9 St. Michael,
- 10 St. Keavens,
- 11 St. Nicholas within,
- 12 St. Patrick's Liberties,
- 13 Christ-Church and Trinity-Colledge per estimate.

Houses built between 1671, and 1681, pre-
estimate,

An. 1670, 71, & 72.
at a Medium.

Anno 1671.	Families.		Hearths.		Births.		Burials.	
	661		2399		161		290	
	490		2348		207		262	
	656		2301		127		221	
	483		2123		108		178	
	416		1989		70		100	
	244		1337		70		138	
	267		1650		54		108	
	216		1081		53		121	
	140		793		44		59	
	106		433		64		133	
	93		614		28		34	
	52		255		21		44	
	26		197				1	
	3850		17500		1013		1696	
	150		550					
	4000		18150					

A Quarterly Bill of Mortality,
Beginning and ending
for the City of *Dublin*.

Beginning

and ending

for the City of Dublin.

PARISHES Names.	All other Casualties.		
	Infants under 2 years old.		
	Aged above 70 years old.		
	Sudden death, Quinsey, Plurisie, Fever.		
	Stone, Gout, Dropfie, Consumption.		
	Plague, Small Pox, Spotted Fever, Measels.		
Buried of {	Above 60 years old.		
{	Under 16 years old.		
	Marriages. 2.		
	Births. I.		
1 St. Katherine and St. James,			Totals,
2 St. Nicholas without,			
3 St. Michans,			
4 St. Andrews with Donabrook,			
5 St. Bridgets,			
6 St. Johns,			
7 St. Warbrough,			
8 St. Audaeus,			
9 St. Michael,			
10 St. Keavens,			
11 St. Nicholas within,			
12 St. Patrick's Liberties,			
13 Christ-Church and Trinity-Colledge,			

An Account of the People of Dublin for one year,

Ending the 24th of March, 1681.

PARISHES NAMES.	Marriages.
	Burials.
	Births.
	Of all other Religions
	Papists
	Protestants
	Persons of } Above 60 years old.
	} Under 16 years old.
	Married persons.
	Whereof } Females.
	} Males.
Number of Persons.	
1 St. Katherine and St. James,	
2 St. Nicholas without,	
3 St. Michans,	
4 St. Andrews with Donabrook,	
5 St. Bridgets,	
6 St. Johns,	
7 St. Warbrough,	
8 St. Audaens,	
9 St. Michael,	
10 St. Kevens,	
11 St. Nicholas within,	
12 St. Patrick's Liberties,	

11 St. Nicholas within,
 12 St. Patrick's Liberties,
 13 Christ-Church and Trinity-
 Colledge,

Totals,

Casualties and Diseases.

Aged above 70 years.	Head-ach, and Megrim.
Abortive and Still-born.	Epilepsie, and Planet.
Childbed-women.	Fever, and Ague.
Convulsion.	Pleurisic.
Teeth.	Quinsey.
Worms.	Executed, Murder'd, Drown'd
Gout, and Sciatica.	Plague, and Spotted-Fever.
Stone.	Gripping of the Guts.
Palley.	Scowring, Vomiting, Bleed- ing.
Consumption, and French Pox.	Small Pox.
Dropisie, and Tympany.	Measels.
Rickets, and Livergrown.	Neither of all the other forts.